

1    **ABSTRACT OF THE DISCLOSURE**

2            An overload protection switch has a conductor interconnecting the first primary  
3    leg and a second primary leg so that when current passes through the switch, the current  
4    not only raises the temperature of the bi-metal plate, but also raises the temperature of  
5    the conductor to enhance the deformation of the bi-metal plate such that the electrical  
6    appliance connected to the switch and having an ampere tolerance lower than that of the  
7    bi-metal plate is protected.